

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	05/14/2019 05/14/2019	Luz Dial

LM Start		Rating **	A	Issue No.	2
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_NA0001_01_s _ 2013_2				
Comment Code					
Inspector Comment					
The LMA has current flood fight training and a written emergency plan.					

No Photos

LM Start		Rating **	A	Issue No.	24
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_NA0001_01_s _ 2013_24				
Comment Code					
Inspector Comment					
The LMA has flood fight supplies stored at various locations throughout the district.					

No Photos

LM Start		Rating **	A	Issue No.	25
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_NA0001_01_s _ 2013_25				
Comment Code					
Inspector Comment					
The LMA has a copy of the O&M Manual available at the office.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	05/14/2019 05/14/2019	Luz Dial

LM Start	0.00	Rating **	C	Issue No.	46
LM End	2.08	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.619300 °	38.627229 °
				-121.467600 °	°
DWR ID	DWR_NA0001_01_f_2018_46				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Due to construction on Unit 1, LMA could not perform annual maintenance. DWR did not inspect the levees.					

No Photos

LM Start	0.02	Rating **	C	Issue No.	45
LM End	2.07	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.619443 °	38.627293 °
				-121.467339 °	-121.432635 °
DWR ID	DWR_NA0001_01_s_2018_45				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
This Unit is under construction and not accessible. All the issues for Unit 1 will have to be reassessed when construction is complete and turned back over to ARFCD to maintain. Spring 2018.					

No Photos

LM Start	0.48	Rating **	C	Issue No.	164
LM End	0.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.623227 °	38.623227 °
				-121.460399 °	-121.460399 °
DWR ID	DWR_NA0001_01_s_2012_164				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
4'-5' diameter by 1' deep hole mid-slope on the landside.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	05/14/2019 05/14/2019	Luz Dial

LM Start	<b>0.66</b>	Rating **	M	Issue No.	<b>82</b>
LM End	<b>0.66</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.623707 °	38.623707 °	
			-121.457203 °	-121.457203 °	
DWR ID	DWR_NA0001_01_s_2019_82				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>1.34</b>	Rating **	N	Issue No.	<b>26</b>
LM End	<b>1.34</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.625926 °	38.625926 °	
			-121.445329 °	-121.445329 °	
DWR ID	DWR_NA0001_01_f_2013_26				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	<b>1.34</b>	Rating **	M	Issue No.	<b>76</b>
LM End	<b>1.34</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.625972 °	38.625972 °	
			-121.445265 °	-121.445265 °	
DWR ID	DWR_NA0001_01_s_2019_76				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree limb at toe.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	05/14/2019 05/14/2019	Luz Dial

LM Start	1.36	Rating **	N	Issue No.	178
LM End	1.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.626063 °	38.626063 °
				-121.444988 °	-121.444988 °
DWR ID	DWR_NA0001_01_s_2012_178				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Two stumps at landside toe.					

Photo 1 of 1 : SP\_2019\_NA0001\_51\_178\_20190307\_00058.jpg



11/17/2011 Two stumps at levee toe.

LM Start	1.41	Rating **	N	Issue No.	72
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.626253 °	38.626253 °
				-121.444165 °	-121.444165 °
DWR ID	DWR_NA0001_01_f_2015_72				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	1.48	Rating **	M	Issue No.	75
LM End	1.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.626912 °	38.626912 °
				-121.443229 °	-121.443229 °
DWR ID	DWR_NA0001_01_s_2017_75				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Stairs dug into waterside levee slope.					

Photo 1 of 1 : SP\_2019\_NA0001\_51\_75\_20190307\_00049.jpg



View of the stairs in the levee slope, looking downstream.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	05/14/2019 05/14/2019	Luz Dial

LM Start	1.51	Rating **	C	Issue No.	56
LM End	1.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.627180 °	38.627224 °
				-121.442718 °	-121.442515 °
DWR ID	DWR_NA0001_01_s_2012_56				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
4 stumps 14 to 30 Inches in diameter.					

No Photos

LM Start	1.52	Rating **	M	Issue No.	19
LM End	1.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.627237 °	38.627237 °
				-121.442516 °	-121.442516 °
DWR ID	DWR_NA0001_01_f_2017_19				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.54	Rating **	M	Issue No.	11
LM End	1.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.627298 °	38.627298 °
				-121.442131 °	-121.442131 °
DWR ID	DWR_NA0001_01_f_2017_11				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Area shows signs of rodent activity.					

Photo 1 of 1 : SP\_2019\_NA0001\_51\_11\_20190307\_00010.jpg



View of the rodent activity on the levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	05/14/2019 05/14/2019	Luz Dial

LM Start	1.58	Rating **	A/W	Issue No.	54
LM End	1.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.627251 °	38.627251 °
				-121.441460 °	-121.441460 °
DWR ID	DWR_NA0001_01_s_2012_54				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0001\_51\_54\_20190307\_00035.jpg



Slope stability due to foot traffic needs to be monitored.

LM Start	1.61	Rating **	N	Issue No.	31
LM End	1.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.627191°	38.627191°
				-121.440861°	-121.440861°
DWR ID	DWR_NA0001_01_f_2012_31				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0001\_51\_31\_20190307\_00025.jpg



View of large tree stump at levee toe.

LM Start	1.69	Rating **	A/W	Issue No.	65
LM End	1.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.627585 °	38.627585 °
				-121.439561 °	-121.439561 °
DWR ID	DWR_NA0001_01_f_2015_65				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
The LMA backfilled the hole and is actively monitoring the area.					

Photo 1 of 1 : SP\_2019\_NA0001\_51\_65\_20190307\_00042.jpg



View of the animal activity on the levee slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.08	05/14/2019 05/14/2019	Luz Dial

LM Start	1.69	Rating **	M	Issue No.	48
LM End	1.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.627594 °	38.627594 °
				-121.439540 °	-121.439540 °
DWR ID	DWR_NA0001_01_s_2014_48				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Tree obstructing visibility and access.					

Photo 1 of 1 : SP\_2019\_NA0001\_51\_48\_20190307\_00031.jpg



View of the overgrown tree at the landside levee toe. Spring 2014

LM Start	1.69	Rating **	N	Issue No.	74
LM End	1.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.627607 °	38.627607 °
				-121.439545 °	-121.439545 °
DWR ID	DWR_NA0001_01_s_2017_74				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
24 inch large tree stump at levee toe.					

Photo 1 of 1 : SP\_2019\_NA0001\_51\_74\_20190307\_00048.jpg



View of the tree stump at the levee toe.

LM Start	1.88	Rating **	M	Issue No.	60
LM End	1.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.627870 °	38.627870 °
				-121.436188 °	-121.436188 °
DWR ID	DWR_NA0001_01_s_2019_60				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	04/30/2019 04/30/2019	Luz Dial

LM Start	0.06	Rating **	M	Issue No.	19
LM End	0.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.603575°	38.603575°
				-121.471976°	-121.471976°
DWR ID	DWR_NA0001_02_s_2017_19				
Comment Code					
ST : Stairway					
Inspector Comment					
Stairs dug into the levee slope by transients.					

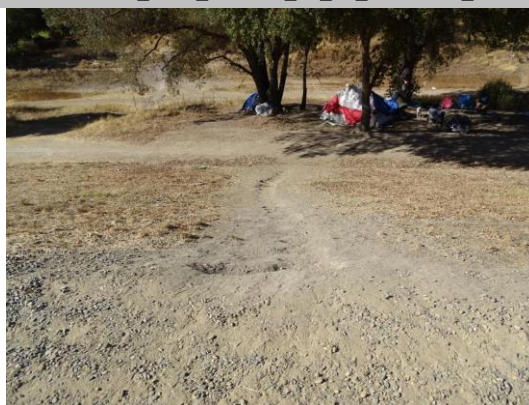
Photo 1 of 1 : SP\_2019\_NA0001\_52\_19\_20190307\_00007.jpg



View of the stairs dug into the landside levee slope. Spring 2017

LM Start	0.17	Rating **	A/W	Issue No.	39
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.604455 °	38.604455 °
				-121.470417 °	-121.470417 °
DWR ID	DWR_NA0001_02_f_2018_39				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Monitor footpath on waterside slope.					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_39\_20190307\_00021.jpg



View of stair steps dug into levee slope. Fall 2018

LM Start	0.33	Rating **	A/W	Issue No.	23
LM End	0.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.605827 °	38.605827 °
				-121.468071 °	-121.468071 °
DWR ID	DWR_NA0001_02_f_2018_23				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Monitor footpath on levee slope.					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_23\_20190307\_00010.jpg



View of footpath on levee slope. Fall 2018

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	04/30/2019 04/30/2019	Luz Dial

LM Start	0.36	Rating **	A/W	Issue No.	42
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.606229 °	38.606229 °
				-121.467867 °	-121.467867 °
DWR ID	DWR_NA0001_02_f_2018_42				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Repair slope damage from a footpath dug into the slope. Part of overpass drainage.					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_42\_20190307\_00024.jpg



View of footpath dug into levee slope and lined with rocks. Fall 2018

LM Start	0.37	Rating **	M	Issue No.	21
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.606430 °	38.606430 °
				-121.467782 °	-121.467782 °
DWR ID	DWR_NA0001_02_f_2018_21				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Repair slope damage.					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_21\_20190307\_00008.jpg



View of slope damage on levee slope. Fall 2018

LM Start	0.37	Rating **	A/W	Issue No.	43
LM End	0.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.606435°	38.606435°
				-121.467772°	-121.467772°
DWR ID	DWR_NA0001_02_f_2018_43				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Repair slope damage from footpath dug into slope. Part of overpass drainage.					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_43\_20190307\_00025.jpg



View of footpath dug into levee slope and lined with rocks. Fall 2018

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	04/30/2019 04/30/2019	Luz Dial

LM Start	0.73	Rating **	A/W	Issue No.	35
LM End	0.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.611458 °	38.611458 °
				-121.466495 °	-121.466495 °
DWR ID	DWR_NA0001_02_f_2018_35				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Monitor footpath damage.					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_35\_20190307\_00018.jpg



View of footpath on waterside slope. Fall 2018

LM Start	0.73	Rating **	M	Issue No.	24
LM End	0.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.611529 °	38.611529 °
				-121.466801 °	-121.466801 °
DWR ID	DWR_NA0001_02_s_2016_24				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_24\_20190307\_00011.jpg



View of the rodent holes in the waterside levee slope. Fall 2016

LM Start	0.80	Rating **	C	Issue No.	36
LM End	0.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.612439 °	38.612439 °
				-121.466469 °	-121.466469 °
DWR ID	DWR_NA0001_02_f_2018_36				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill two large holes on levee slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	04/30/2019 04/30/2019	Luz Dial

LM Start	0.92	Rating **	M	Issue No.	41
LM End	0.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.614240 °	38.614240 °
				-121.466645 °	-121.466645 °
DWR ID	DWR_NA0001_02_s_2019_41				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Repair slope damage from footpath dug into levee.					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_41\_20190307\_00023.jpg



View of steps dug into levee slope. Fall 2018

LM Start	0.93	Rating **	M	Issue No.	13
LM End	0.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.614380 °	38.614380 °
				-121.466684 °	-121.466684 °
DWR ID	DWR_NA0001_02_s_2019_13				
Comment Code					
DE : Debris					
Inspector Comment					
Remove homeless debris from crown and slope.					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_13\_20190501\_00055.jpg



View of homeless debris on waterside slope. Spring 2019

LM Start	0.99	Rating **	A/W	Issue No.	40
LM End	0.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.615296 °	38.615296 °
				-121.466856 °	-121.466856 °
DWR ID	DWR_NA0001_02_s_2019_40				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor erosion rills on slope.					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_40\_20190307\_00022.jpg



View of erosion rills on slope. Fall 2018

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	04/30/2019 04/30/2019	Luz Dial

LM Start	1.18	Rating **	C	Issue No.	38
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.617956 °	38.617956 °
				-121.467355 °	-121.467355 °
DWR ID	DWR_NA0001_02_f_2018_38				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Monitor footpath on slope.					

No Photos

LM Start	1.20	Rating **	A/W	Issue No.	37
LM End	1.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.618273 °	38.618273 °
				-121.467418 °	-121.467418 °
DWR ID	DWR_NA0001_02_f_2018_37				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Monitor foot paths on slope.					

No Photos

LM Start	1.40	Rating **	A/W	Issue No.	26
LM End	1.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.621054 °	38.621054 °
				-121.468008 °	-121.468008 °
DWR ID	DWR_NA0001_02_f_2015_26				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Monitor slope damage from vehicle traffic.					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_26\_20190307\_00013.jpg



View of the damaged landside levee slope. Fall 2015

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	04/30/2019 04/30/2019	Luz Dial

LM Start	1.44	Rating **	A/W	Issue No.	34
LM End	1.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.621682 °	38.621682 °
				-121.468128 °	-121.468128 °
DWR ID	DWR_NA0001_02_f_2018_34				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Monitor slope damage from foot traffic.					

No Photos

LM Start	1.61	Rating **	M	Issue No.	45
LM End	1.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.624050 °	38.624050 °
				-121.468653 °	-121.468653 °
DWR ID	DWR_NA0001_02_s_2019_45				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	1.71	Rating **	A/W	Issue No.	33
LM End	1.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.625528 °	38.625528 °
				-121.468865 °	-121.468865 °
DWR ID	DWR_NA0001_02_f_2018_33				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Monitor footpath on slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side WS : Water Side CR : Crown		A : Acceptable M : Minimally Acceptable U : Unacceptable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
N/A : Not Applicable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	04/30/2019 04/30/2019	Luz Dial

LM Start	1.92	Rating **	M	Issue No.	44
LM End	1.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.628525 °	38.628525 °
				-121.469415 °	-121.469415 °
DWR ID	DWR_NA0001_02_s_2019_44				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor erosion rills on slope.					

No Photos

LM Start	2.05	Rating **	M	Issue No.	25
LM End	2.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.630425 °	38.630425 °
				-121.469807 °	-121.469807 °
DWR ID	DWR_NA0001_02_f_2015_25				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_25\_20190307\_00012.jpg



View of the landside levee slope damaged by foot traffic.

LM Start	2.22	Rating **	A/W	Issue No.	31
LM End	2.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.632841 °	38.632841 °
				-121.470258 °	-121.470258 °
DWR ID	DWR_NA0001_02_f_2018_31				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Monitor slope damage.					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_31\_20190307\_00017.jpg



View of slope damage possibly from foot traffic. Fall 2018

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	04/30/2019 04/30/2019	Luz Dial

LM Start	2.25	Rating **	M	Issue No.	30
LM End	2.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.633308 °	38.633308 °
				-121.470349 °	-121.470349 °
DWR ID	DWR_NA0001_02_f_2018_30				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Erosion is worsening around steps dug into levee slope.					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_30\_20190307\_00016.jpg



View of stairs steps dug into levee slope. Fall 2018

LM Start	2.36	Rating **	M	Issue No.	29
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.634885 °	38.634885 °
				-121.470643 °	-121.470643 °
DWR ID	DWR_NA0001_02_f_2018_29				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Repair footpath on levee slope.					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_29\_20190307\_00015.jpg



View of footpath on levee slope. Fall 2018

LM Start	2.59	Rating **	M	Issue No.	27
LM End	2.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.638109 °	38.638109 °
				-121.471254 °	-121.471254 °
DWR ID	DWR_NA0001_02_f_2016_27				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_27\_20190307\_00014.jpg



View of the foot path on the landside levee slope. Fall 2016

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	04/30/2019 04/30/2019	Luz Dial

LM Start	2.79	Rating **	M	Issue No.	1
LM End	2.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.641029 °	38.641029 °
				-121.471801 °	-121.471801 °
DWR ID	DWR_NA0001_02_f_2017_1				
Comment Code					
ST : Stairway					
Inspector Comment					
Steps dug into the levee slope.					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_1\_20190307\_00001.jpg



View of the unpermitted steps in the levee.

LM Start	2.81	Rating **	M	Issue No.	22
LM End	2.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.641309 °	38.641309 °
				-121.471798 °	-121.471798 °
DWR ID	DWR_NA0001_02_f_2018_22				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Steps cut into levee slope.					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_22\_20190307\_00009.jpg



View of foot path steps cut into levee. Fall 2018

LM Start	2.92	Rating **	A/W	Issue No.	6
LM End	2.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.642950 °	38.642950 °
				-121.472166 °	-121.472166 °
DWR ID	DWR_NA0001_02_f_2018_6				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Monitor this location.					

Photo 1 of 1 : SP\_2019\_NA0001\_52\_6\_20190307\_00002.jpg



View of landside slope instability. Spring 2014

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.93	04/30/2019 04/30/2019	Luz Dial

LM Start	3.12	Rating **	M	Issue No.	32
LM End	3.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.645798 °	38.645798 °
				-121.472713 °	-121.472713 °
DWR ID	DWR_NA0001_02_s_2019_32				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair erosion or cuts into levee slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.86	04/19/2019 04/30/2019	Luz Dial

LM Start	1.88	Rating **	M	Issue No.	12
LM End	1.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.595950 °	38.595950 °
				-121.449305 °	-121.449305 °
DWR ID	DWR_NA0001_03_s_2019_12				
Comment Code					
DE : Debris					
Inspector Comment					
Remove garbage.					

No Photos

LM Start	2.40	Rating **	M	Issue No.	14
LM End	2.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.595588 °	38.594558 °
				-121.458663 °	-121.462967 °
DWR ID	DWR_NA0001_03_s_2019_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.15	Rating **	A/W	Issue No.	13
LM End	3.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.599025 °	38.599025 °
				-121.470028 °	-121.470028 °
DWR ID	DWR_NA0001_03_s_2019_13				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Monitor animal activity.					

Photo 1 of 1 : SP\_2019\_NA0001\_490\_13\_20190422\_00031.jpg



View of animal holes on levee slope. Spring 2019

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	05/08/2019 05/14/2019	Luz Dial

LM Start	0.38	Rating **	M	Issue No.	202
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.600358 °	38.600518 °
				-121.502440 °	-121.501785 °
DWR ID	DWR_NA0001_04_s_2019_202				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.40	Rating **	M	Issue No.	748	
LM End	0.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.600436 °		38.600436 °
				-121.502058 °		-121.502058 °
DWR ID	24303					
Comment Code						
Inspector Comment						
FS_ID:31249 DS_ID:24303 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. No owner was identified, ARFCD Staff Notes indicate Abandoned (ARFCD/Bill) - No As-builts. (DWR UCIP - O. Magana) 12/19/2013 Non-functional crossing--need additional information about how crossing was abandoned. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: *ABANDONED* 42-inch corrugated metal drainage pipe through the levee, 16.5 feet below the crown. Gravel filled with both ends welded shut. Flap gate on the waterside (WS) end. Slide gate in corrugated metal riser and splash board drain structure on the landside (LS). (no permit has been identified authorizing this structure, no owner has been identified) [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118 Part 1, August 1955, (Station 10+00)]. FS Date: 12/19/2013						

Photo 1 of 3 : UCIP\_SP\_2019\_31249\_57212.jpg



Overview of crossing location.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	05/08/2019 05/14/2019	Luz Dial

LM Start	0.40	Rating **	M	Issue No.	748 (cont)	
LM End	0.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.600436 °		38.600436 °
				-121.502058 °		-121.502058 °
DWR ID	24303					
Comment Code						
Inspector Comment						
FS_ID:31249 DS_ID:24303 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. No owner was identified, ARFCD Staff Notes indicate Abandoned (ARFCD/Bill) - No As-builts. (DWR UCIP - O. Magana) 12/19/2013 Non-functional crossing--need additional information about how crossing was abandoned. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: *ABANDONED* 42-inch corrugated metal drainage pipe through the levee, 16.5 feet below the crown. Gravel filled with both ends welded shut. Flap gate on the waterside (WS) end. Slide gate in corrugated metal riser and splash board drain structure on the landside (LS). (no permit has been identified authorizing this structure, no owner has been identified) [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118 Part 1, August 1955, (Station 10+00)]. FS Date: 12/19/2013						

LM Start	<b>0.40</b>	Rating **	M	Issue No.	<b>748 (cont)</b>
LM End	<b>0.40</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_31249\_57209.jpg



View of levee crown at this location.

Photo 3 of 3 : UCIP\_SP\_2019\_31249\_57210.jpg



View of waterward side--standpipe located on waterward slope. Standpipe filled with concrete.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	05/08/2019 05/14/2019	Luz Dial

LM Start	1.49	Rating **	M	Issue No.	184
LM End	1.65	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.599878 °	38.598791 °
				-121.482483 °	-121.479799 °
DWR ID	DWR_NA0001_04_s_2019_184				
Comment Code					
Inspector Comment					
2017 Site ID: LAR 1.8 L					
Status: Eroding					
2017 Field Notes: Site littered with homeless camps. Hard to survey.					
Site extended downstream.					
Site History: 2012 - Located just downstream of older repair. Failing rock at the upstream end. Erosion of the bank has exposed large tree roots.					

No Photos

LM Start	1.95	Rating **	A/W	Issue No.	244
LM End	1.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.595040 °	38.595040 °
				-121.476882 °	-121.476882 °
DWR ID	DWR_NA0001_04_f_2015_244				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
The erosion of the levee slope from the footpath appears to be stable at this time and should be monitored.					

Photo 1 of 1 : SP\_2019\_NA0001\_55\_244\_20190307\_00194.jpg



View of the footpath on the landside levee slope. Fall 2016

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	05/08/2019 05/14/2019	Luz Dial

LM Start	1.95	Rating **	U	Issue No.	197
LM End	1.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.594958 °	38.594958 °
				-121.476800 °	-121.476800 °
DWR ID	DWR_NA0001_04_s_2019_197				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Repair slope damage from steps dug out of slope.					

Photo 1 of 1 : SP\_2019\_NA0001\_55\_197\_20190515\_00274.jpg



View looking northeast at steps that the homeless dug into the levee slope. Spring 2019

LM Start	2.86	Rating **	M	Issue No.	248
LM End	2.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.587293 °	38.587293 °
				-121.464338 °	-121.464338 °
DWR ID	DWR_NA0001_04_s_2012_248				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.63	Rating **	M	Issue No.	186
LM End	3.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.588912 °	38.588912 °
				-121.451005 °	-121.451005 °
DWR ID	DWR_NA0001_04_s_2019_186				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill rodent hole.					

Photo 1 of 1 : SP\_2019\_NA0001\_55\_186\_20190513\_00265.jpg



View looking downstream at animal hole on waterside slope. Spring 2019

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	05/08/2019 05/14/2019	Luz Dial

LM Start	4.29	Rating **	A/W	Issue No.	283
LM End	4.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.582640 °	38.582640 °
				-121.442064 °	-121.442064 °
DWR ID	DWR_NA0001_04_f_2018_283				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Monitor footpath.					

No Photos

LM Start	4.51	Rating **	C	Issue No.	253	
LM End	4.51	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation			38.581320 °	38.581320 °	
				-121.438263 °	-121.438263 °	
DWR ID	DWR_NA0001_04_s_2012_253					
Comment Code						
V4 : Elderberries are blocking visibility and flood fight capability.						
Inspector Comment						

No Photos

LM Start	5.55	Rating **	A/W	Issue No.	277
LM End	5.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.576078 °	38.576078 °
				-121.423139 °	-121.423139 °
DWR ID	DWR_NA0001_04_f_2018_277				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Monitor rodent activity. No burrows were visible during this inspection.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	05/08/2019 05/14/2019	Luz Dial

LM Start	5.92	Rating **	M	Issue No.	273
LM End	5.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.570755 °	38.570395 °
				-121.424206 °	-121.424237 °
DWR ID	DWR_NA0001_04_f_2018_273				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill animal holes.					

Photo 1 of 1 : SP\_2019\_NA0001\_55\_273\_20190307\_00209.jpg



View of animal burrows. Fall 2018

LM Start	6.16	Rating **	M	Issue No.	291	
LM End	6.16	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.567363 °	38.567363 °	
				-121.423912 °	-121.423912 °	
DWR ID	DWR_NA0001_04_s_2019_291					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Remove tree limb.						

No Photos

LM Start	6.20	Rating **	M	Issue No.	290
LM End	6.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.566787 °	38.566787 °
				-121.423812 °	-121.423812 °
DWR ID	DWR_NA0001_04_s_2019_290				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove large tree limb at levee toe.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	05/08/2019 05/14/2019	Luz Dial

LM Start	6.24	Rating **	M	Issue No.	164
LM End	6.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.566198 °	38.566198 °
				-121.423528 °	-121.423528 °
DWR ID	DWR_NA0001_04_f_2012_164				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry bush at levee toe blocks visibility.					

No Photos

LM Start	6.29	Rating **	M	Issue No.	271
LM End	6.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.565472 °	38.565472 °
				-121.423240 °	-121.423240 °
DWR ID	DWR_NA0001_04_f_2018_271				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill rodent holes.					

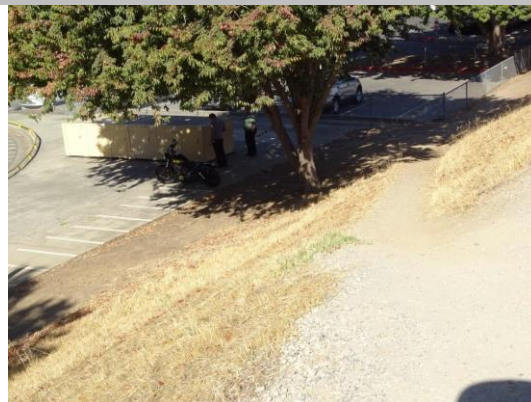
Photo 1 of 1 : SP\_2019\_NA0001\_55\_271\_20190307\_00208.jpg



View of animal holes. Fall 2018

LM Start	6.34	Rating **	A/W	Issue No.	270
LM End	6.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.564833 °	38.564833 °
				-121.422947 °	-121.422947 °
DWR ID	DWR_NA0001_04_f_2018_270				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Monitor footpath.					

Photo 1 of 1 : SP\_2019\_NA0001\_55\_270\_20190307\_00207.jpg



View of footpath on slope. Fall 2018

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	05/08/2019 05/14/2019	Luz Dial

LM Start	6.45	Rating **	A/W	Issue No.	288
LM End	6.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.563243 °	38.563243 °
				-121.422423 °	-121.422423 °
DWR ID	DWR_NA0001_04_s_2019_288				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Monitor footpath.					

No Photos

LM Start	6.57	Rating **	M	Issue No.	287	
LM End	6.57	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			38.561800 °	38.561800 °	
				-121.421407 °	-121.421407 °	
DWR ID	DWR_NA0001_04_s_2019_287					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Repair erosion due to runoff.						

No Photos

LM Start	6.62	Rating **	M	Issue No.	240
LM End	6.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.561121 °	38.560883 °
				-121.420766 °	-121.420514 °
DWR ID	DWR_NA0001_04_s_2017_240				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Only two rodent burrows were visible due to vegetation.					

Photo 1 of 2 : SP\_2019\_NA0001\_55\_240\_20190307\_00192.jpg



View of a rodent burrows at the landside levee toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	05/08/2019 05/14/2019	Luz Dial

LM Start	6.62	Rating **	M	Issue No.	240 (cont)	
LM End	6.65	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.561121 °		38.560883 °
				-121.420766 °		-121.420514 °
DWR ID	DWR_NA0001_04_s_2017_240					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Only two rodent burrows were visible due to vegetation.						

Photo 2 of 2 : SP\_2019\_NA0001\_55\_240\_20190307\_00193.jpg



Another view of the rodent burrow at the levee toe.

LM Start	6.87	Rating **	U	Issue No.	285
LM End	6.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.558618 °	38.558618 °
				-121.417515 °	-121.417515 °
DWR ID	DWR_NA0001_04_s_2019_285				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There is a large animal burrow into the levee slope.					

Photo 1 of 1 : SP\_2019\_NA0001\_55\_285\_20190515\_00271.jpg



View looking north at large animal hole on the levee slope within the City facility. Spring 2019

LM Start	6.88	Rating **	U	Issue No.	286
LM End	6.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.558585 °	38.558585 °
				-121.417373 °	-121.417373 °
DWR ID	DWR_NA0001_04_s_2019_286				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill numerous animal holes - two at the crown and the remainder on the upper slope.					

Photo 1 of 2 : SP\_2019\_NA0001\_55\_286\_20190515\_00272.jpg



View looking north at animal holes on the levee crown within the City facility. Spring 2019

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	05/08/2019 05/14/2019	Luz Dial

LM Start	6.88	Rating **	U	Issue No.	286 (cont)	
LM End	6.88	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.558585 °		38.558585 °
				-121.417373 °		-121.417373 °
DWR ID	DWR_NA0001_04_s_2019_286					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Backfill numerous animal holes - two at the crown and the remainder on the upper slope.						

Photo 2 of 2 : SP\_2019\_NA0001\_55\_286\_20190515\_00273.jpg



View looking downstream at animal holes on the upper slope outside the City facility. Spring 2019

LM Start	6.97	Rating **	C	Issue No.	267
LM End	6.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			38.558282 °	38.558282 °
				-121.415707 °	-121.415707 °
DWR ID	DWR_NA0001_04_f_2018_267				
Comment Code					
Inspector Comment					
Gate could not be opened.					

No Photos

LM Start	7.00	Rating **	M	Issue No.	279
LM End	7.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.558013 °	38.558013 °
				-121.415205 °	-121.415205 °
DWR ID	DWR_NA0001_04_s_2019_279				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Backfill rodent hole.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	05/08/2019 05/14/2019	Luz Dial

LM Start	7.12	Rating **	M	Issue No.	278
LM End	7.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.557957 °	38.557957 °
				-121.413022 °	-121.413022 °
DWR ID	DWR_NA0001_04_s_2019_278				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair erosion adjacent to concrete stairway.					

Photo 1 of 1 : SP\_2019\_NA0001\_55\_278\_20190515\_00270.jpg

View looking downstream at erosion adjacent to concrete stairway.  
Spring 2019

LM Start	7.17	Rating **	M	Issue No.	275
LM End	7.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.557993 °	38.557993 °
				-121.412123 °	-121.412123 °
DWR ID	DWR_NA0001_04_s_2019_275				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill two animal holes on levee shoulder.					

No Photos

LM Start	7.20	Rating **	M	Issue No.	266
LM End	7.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.557995 °	38.557995 °
				-121.411579 °	-121.411579 °
DWR ID	DWR_NA0001_04_f_2018_266				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large animal hole on levee slope remains.					

Photo 1 of 1 : SP\_2019\_NA0001\_55\_266\_20190307\_00206.jpg



View of animal burrows. Fall 2018

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	05/08/2019 05/14/2019	Luz Dial

LM Start	7.25	Rating **	M	Issue No.	274
LM End	7.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.558087 °	38.558087 °
				-121.410712 °	-121.410712 °
DWR ID	DWR_NA0001_04_s_2019_274				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	7.91	Rating **	M	Issue No.	269	
LM End	7.92	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.559808 °		38.559865 °
				-121.398712 °		-121.398608 °
DWR ID	DWR_NA0001_04_s_2019_269					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Backfill rodent holes on levee on upper slope.						

No Photos

LM Start	8.19	Rating **	C	Issue No.	259
LM End	8.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.561666 °	38.561666 °
				-121.394118 °	-121.394118 °
DWR ID	DWR_NA0001_04_f_2018_259				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Monitor rodent activity.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	05/08/2019 05/14/2019	Luz Dial

LM Start	8.65	Rating **	M	Issue No.	256
LM End	8.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.564330 °	38.564340 °
				-121.386398 °	-121.386183 °
DWR ID	DWR_NA0001_04_s _ 2019_256				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill animal holes on levee slope.					

No Photos

LM Start	8.71	Rating **	M	Issue No.	255	
LM End	8.73	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.564483 °		38.564530 °
				-121.385365 °		-121.385015 °
DWR ID	DWR_NA0001_04_s _ 2019_255					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						
Backfill animal holes on levee slope.						

Photo 1 of 1 : SP\_2019\_NA0001\_55\_255\_20190515\_00268.jpg



View looking south at animal holes on the levee slope. Spring 2019

LM Start	8.75	Rating **	M	Issue No.	250
LM End	8.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.564642 °	38.564642 °
				-121.384520 °	-121.384520 °
DWR ID	DWR_NA0001_04_s _ 2019_250				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Backfill hole on levee shoulder and exterminate rodents.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	05/08/2019 05/14/2019	Luz Dial

LM Start	8.77	Rating **	M	Issue No.	249
LM End	8.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.564700 °	38.564700 °
				-121.384197 °	-121.384197 °
DWR ID	DWR_NA0001_04_s_2019_249				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill two large animal holes at levee toe and one small hole at the shoulder.					

Photo 1 of 1 : SP\_2019\_NA0001\_55\_249\_20190515\_00267.jpg



View looking south at large animal holes on the levee slope. Spring 2019

LM Start	8.83	Rating **	N	Issue No.	230
LM End	8.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.564929 °	38.564929 °
				-121.383248 °	-121.383248 °
DWR ID	DWR_NA0001_04_f_2015_230				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
There are five shrub stumps with multiple branches at this location.					

Photo 1 of 1 : SP\_2019\_NA0001\_55\_230\_20190307\_00188.jpg



View of the multiple tree stumps at the landside levee toe.

LM Start	8.88	Rating **	M	Issue No.	242
LM End	8.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.565668 °	38.565668 °
				-121.382890 °	-121.382890 °
DWR ID	DWR_NA0001_04_s_2019_242				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair erosion rills underneath bridge.					

Photo 1 of 1 : SP\_2019\_NA0001\_55\_242\_20190515\_00266.jpg



View looking south at erosion rills underneath bridge. Spring 2019

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	05/08/2019 05/14/2019	Luz Dial

LM Start	8.95	Rating **	A/W	Issue No.	252
LM End	8.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.565696 °	38.565696 °
				-121.381141 °	-121.381141 °
DWR ID	DWR_NA0001_04_f_2018_252				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Monitor slope damage from foot traffic.					

Photo 1 of 1 : SP\_2019\_NA0001\_55\_252\_20190307\_00198.jpg



View of footpath on levee toe. Fall 2018

LM Start	9.48	Rating **	M	Issue No.	223
LM End	9.48	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.566883 °	38.566883 °
				-121.371520 °	-121.371520 °
DWR ID	DWR_NA0001_04_s_2019_223				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	9.51	Rating **	N	Issue No.	221
LM End	9.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.567073 °	38.567073 °
				-121.370995 °	-121.370995 °
DWR ID	DWR_NA0001_04_s_2019_221				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Tree stumps line the fence.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	05/08/2019 05/14/2019	Luz Dial

LM Start	9.56	Rating **	N	Issue No.	123
LM End	9.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.567246 °	38.567246 °
				-121.370146 °	-121.370146 °
DWR ID	DWR_NA0001_04_s_2012_123				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Trees, tree stump, bushes, and ground cover are within 10-ft of levee toe.					

Photo 1 of 1 : SP\_2019\_NA0001\_55\_123\_20190307\_00110.jpg



03/16/2012 Large tree stump at levee toe.

LM Start	9.72	Rating **	N	Issue No.	234
LM End	9.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.567761 °	38.567761 °
				-121.367363 °	-121.367363 °
DWR ID	DWR_NA0001_04_s_2015_234				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0001\_55\_234\_20190307\_00189.jpg



View of the tree stump at the landside levee toe.

LM Start	9.95	Rating **	M	Issue No.	213
LM End	9.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.568657 °	38.568657 °
				-121.363290 °	-121.363290 °
DWR ID	DWR_NA0001_04_s_2019_213				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.86	05/08/2019 05/14/2019	Luz Dial

LM Start	10.24	Rating **	A/W	Issue No.	218
LM End	10.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.569984 °	38.569984 °
				-121.358182 °	-121.358182 °
DWR ID	DWR_NA0001_04_f_2018_218				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Monitor footpath along levee slope.					

No Photos

LM Start	10.42	Rating **	A/W	Issue No.	228
LM End	10.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.570536 °	38.570536 °
				-121.354957 °	-121.354957 °
DWR ID	DWR_NA0001_04_s_2016_228				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
The erosion of the levee slope from the footpath appears to be stable at this time and should be monitored.					

Photo 1 of 1 : SP\_2019\_NA0001\_55\_228\_20190307\_00186.jpg



View of the footpath on the levee slope.

LM Start	10.44	Rating **	A/W	Issue No.	219
LM End	10.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.570559 °	38.570559 °
				-121.354514 °	-121.354514 °
DWR ID	DWR_NA0001_04_s_2017_219				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
The erosion of the levee slope from the footpath appears to be stable at this time and should be monitored.					

Photo 1 of 1 : SP\_2019\_NA0001\_55\_219\_20190307\_00181.jpg



View of the footpath on the levee slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Sacramento River	Left	0.41	05/08/2019 05/08/2019	Luz Dial

No Maintenance Issues.

No Maintenance Issues.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Linda Creek	Left	1.30	05/08/2019 05/08/2019	Luz Dial

LM Start	0.02	Rating **	A/W	Issue No.	8
LM End	0.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility		38.657400 °	38.657400 °	
			-121.474455 °	-121.474455 °	
DWR ID	24092				
Comment Code					
Inspector Comment					
FS_ID:26884 DS_ID:24092 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) drainage pipe through the levee, 22.7 feet below the crown. Two CM cutoff walls around pipe. Slide gate in 30-inch CM riser and flap gate at located on the waterside (WS) end. Concrete headwalls on both ends, WS and landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118 Part 2, August 1959, Drawing No. 1-4-392 of Exhibit B, (Station 396+65)]. FS Date: 12/20/2013					

Photo 1 of 3 : UCIP\_SP\_2019\_26884\_49630.jpg



View of levee crown at crossing.

LM Start	<b>0.02</b>	Rating **	A/W	Issue No.	<b>8 (cont)</b>
LM End	<b>0.02</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_26884\_49629.jpg



View of landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Linda Creek	Left	1.30	05/08/2019 05/08/2019	Luz Dial

LM Start	0.02	Rating **	A/W	Issue No.	8 (cont)	
LM End	0.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.657400 °		38.657400 °
				-121.474455 °		-121.474455 °
DWR ID	24092					
Comment Code						
Inspector Comment						
FS_ID:26884 DS_ID:24092 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) drainage pipe through the levee, 22.7 feet below the crown. Two CM cutoff walls around pipe. Slide gate in 30-inch CM riser and flap gate at located on the waterside (WS) end. Concrete headwalls on both ends, WS and landside (LS). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118 Part 2, August 1959, Drawing No. 1-4-392 of Exhibit B, (Station 396+65)]. FS Date: 12/20/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_26884\_49628.jpg



Concrete vault protected by posts located on waterward shoulder.

LM Start	0.10	Rating **	M	Issue No.	7
LM End	0.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.657292 °	38.657365 °
				-121.472877 °	-121.470715 °
DWR ID	DWR_NA0001_06_s_2019_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Linda Creek	Left	1.30	05/08/2019 05/08/2019	Luz Dial

LM Start	<b>0.50</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>0.74</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.659000 °	38.660473 °	
			-121.466035 °	-121.461935 °	
DWR ID	DWR_NA0001_06_s _ 2019_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.78</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>0.81</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.660710 °	38.660973 °	
			-121.461380 °	-121.460835 °	
DWR ID	DWR_NA0001_06_s _ 2019_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>1.07</b>	Rating **	M	Issue No.	<b>3</b>
LM End	<b>1.28</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.662342 °	38.662327 °	
			-121.456617 °	-121.452825 °	
DWR ID	DWR_NA0001_06_s _ 2019_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	05/14/2019 05/15/2019	Luz Dial

LM Start	0.00	Rating **	C	Issue No.	33
LM End	1.93	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.620430 °	38.628645 °
				-121.467848 °	-121.436141 °
DWR ID	DWR_NA0001_07_f_2018_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Due to construction, LMA could not perform annual maintenance. DWR did not conduct inspection.					

No Photos

LM Start	0.01	Rating **	C	Issue No.	32
LM End	1.92	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.620443 °	38.628500 °
				-121.467664 °	-121.436135 °
DWR ID	DWR_NA0001_07_s_2018_32				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
This Unit is under construction and not accessible. All the issues for Unit 7 will have to be reassessed when construction is complete and turn back over to ARFCD to maintain. Spring 2018.					

No Photos

LM Start	0.04	Rating **	C	Issue No.	38
LM End	0.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.620569 °	38.620569 °
				-121.467117 °	-121.467117 °
DWR ID	DWR_NA0001_07_f_2015_38				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	05/14/2019 05/15/2019	Luz Dial

LM Start	0.42	Rating **	M	Issue No.	36
LM End	0.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.623653 °	38.623803 °
				-121.461383 °	-121.461138 °
DWR ID	DWR_NA0001_07_s_2019_36				
Comment Code					
DE : Debris					
Inspector Comment					
Remove homeless debris from levee shoulder.					

Photo 1 of 1 : SP\_2019\_NA0001\_58\_36\_20190516\_00050.jpg



View looking upstream at homeless debris on levee shoulder. Spring 2019

LM Start	0.46	Rating **	M	Issue No.	42
LM End	0.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.623950 °	38.623950 °
				-121.460677 °	-121.460677 °
DWR ID	DWR_NA0001_07_s_2019_42				
Comment Code					
DE : Debris					
Inspector Comment					
Remove homeless debris on shoulder.					

Photo 1 of 1 : SP\_2019\_NA0001\_58\_42\_20190516\_00051.jpg



View looking upstream at homeless debris on levee shoulder. Spring 2019

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	05/14/2019 05/15/2019	Luz Dial

LM Start	0.56	Rating **	M	Issue No.	45
LM End	0.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.624833 °	38.624988 °
				-121.459402 °	-121.459302 °
DWR ID	DWR_NA0001_07_s_2019_45				
Comment Code					
DE : Debris					
Inspector Comment					
Remove homeless debris on shoulder and slope.					

Photo 1 of 1 : SP\_2019\_NA0001\_58\_45\_20190516\_00052.jpg

View looking upstream at homeless debris on levee shoulder and slope.  
Spring 2019

LM Start	0.61	Rating **	M	Issue No.	35	
LM End	0.70	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.625338 °		38.624935 °
				-121.458783 °		-121.457278 °
DWR ID	DWR_NA0001_07_s_2019_35					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						

No Photos

LM Start	0.83	Rating **	U	Issue No.	48
LM End	0.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.625033 °	38.625033 °
				-121.454953 °	-121.454953 °
DWR ID	DWR_NA0001_07_s_2019_48				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Repair slope damage from homeless digging into the levee slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	05/14/2019 05/15/2019	Luz Dial

LM Start	1.33	Rating **	A/W	Issue No.	53 (cont)
LM End	1.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.626321 °	38.626321 °
				-121.445964 °	-121.445964 °
DWR ID	24370				
Comment Code					
Inspector Comment					
FS_ID:29301 DS_ID:24370 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade CK just upstream of Rio Linda. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) drainage pipe through the levee, 11 feet below the crown. Slide gate in CM riser on the waterside (WS) slope. Flap gate on the WS end. Concrete headwalls on both ends, WS and landside (LS). (no permit has been identified authorizing this structure, structure is owned by the City of Sacramento) [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118, Part No. 2, October 1959, Drawing No. 1-4-392 Exhibit B, (Station 65+73)] FS Date: 12/20/2013					

Photo 2 of 3 : UCIP\_SP\_2019\_29301\_54277.jpg



View of landward side.

LM Start	<b>1.33</b>	Rating **	A/W	Issue No.	<b>53 (cont)</b>
LM End	<b>1.33</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_29301\_54276.jpg



Concrete vault located on waterward shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	05/14/2019 05/15/2019	Luz Dial

LM Start	1.39	Rating **	A/W	Issue No.	34
LM End	1.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.626601 °	38.626601 °
				-121.445016 °	-121.445016 °
DWR ID	DWR_NA0001_07_s_2012_34				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
The erosion of the levee slope from the footpath appears to be stable at this time and should be monitored.					

Photo 1 of 1 : SP\_2019\_NA0001\_58\_34\_20190307\_00029.jpg



View of the landside levee slope damaged by foot traffic.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	05/14/2019 05/15/2019	Luz Dial

LM Start	<b>1.47</b>	Rating **	A/W	Issue No.	<b>54</b>
LM End	<b>1.47</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.627201 °	38.627201 °	
			-121.443790 °	-121.443790 °	
DWR ID	24371				

**Comment Code**

**Inspector Comment**

FS\_ID:29302  
DS\_ID:24371  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck near Rivera Dr at Branch St. (DWR UCIP - O. Magana)  
06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP - O. Magana).  
06/06/2017 Received documentation from the City of Sacramento indicating that this crossing was internally inspected on 11/25/2013, PACP Sewer Report was provided. No additional information was received from the City of Sacramento. PACP report indicates a 24-inch reinforced concrete pipe (RCP) not 24-inch corrugated metal pipe (CMP). (DWR UCIP - O. Magana)  
FIELD\_STRUCT\_DESC: 24-inch reinforced concrete drainage pipe through the levee, 9.3 feet below the crown. Concrete headwalls on both waterside (WS) and landside (LS) ends. Slide gate inside CM riser located on the WS slope. Flap gate is located on the WS end. (24-inch referenced in USACE O&M manual -- no permit found, the City of Sacramento is the owner; according to permit records for 12886 "old pipe removed. Concrete pipe in placed and backfilled part of it". Conflicting information makes it difficult to determine fate of 24-inch pipe (extent of work completed under permit); 30-inch pipe and removal of old pipe was authorized under Permit No. 12886, 1980 - City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19129, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118, Part No. 2, October 1959, Drawing No. 1-4-392 Exhibit B, (Station 70+09)].  
FS Date: 12/20/2013

Photo 1 of 3 : UCIP\_SP\_2019\_29302\_54282.jpg



View of levee crown--flood wall located along waterward shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	05/14/2019 05/15/2019	Luz Dial

LM Start	<b>1.47</b>	Rating **	A/W	Issue No.	<b>54 (cont)</b>
LM End	<b>1.47</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.627201 °	38.627201 °	
			-121.443790 °	-121.443790 °	
DWR ID	24371				

**Comment Code**

**Inspector Comment**

FS\_ID:29302  
DS\_ID:24371  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck near Rivera Dr at Branch St. (DWR UCIP - O. Magana)  
06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP - O. Magana).  
06/06/2017 Received documentation from the City of Sacramento indicating that this crossing was internally inspected on 11/25/2013, PACP Sewer Report was provided. No additional information was received from the City of Sacramento. PACP report indicates a 24-inch reinforced concrete pipe (RCP) not 24-inch corrugated metal pipe (CMP). (DWR UCIP - O. Magana)  
FIELD\_STRUCT\_DESC: 24-inch reinforced concrete drainage pipe through the levee, 9.3 feet below the crown. Concrete headwalls on both waterside (WS) and landside (LS) ends. Slide gate inside CM riser located on the WS slope. Flap gate is located on the WS end. (24-inch referenced in USACE O&M manual -- no permit found, the City of Sacramento is the owner; according to permit records for 12886 "old pipe removed. Concrete pipe in placed and backfilled part of it". Conflicting information makes it difficult to determine fate of 24-inch pipe (extent of work completed under permit); 30-inch pipe and removal of old pipe was authorized under Permit No. 12886, 1980 - City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19129, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118, Part No. 2, October 1959, Drawing No. 1-4-392 Exhibit B, (Station 70+09)].  
FS Date: 12/20/2013

Photo 2 of 3 : UCIP\_SP\_2019\_29302\_54283.jpg



Headwall with debris screen located at waterward toe.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	05/14/2019 05/15/2019	Luz Dial

LM Start	1.47	Rating **	A/W	Issue No.	54 (cont)	
LM End	1.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.627201 °	38.627201 °	
				-121.443790 °	-121.443790 °	
DWR ID	24371					

**Comment Code**

**Inspector Comment**

FS\_ID:29302  
DS\_ID:24371  
EP\_NO: N/A  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck near Rivera Dr at Branch St. (DWR UCIP - O. Magana)  
06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP - O. Magana).  
06/06/2017 Received documentation from the City of Sacramento indicating that this crossing was internally inspected on 11/25/2013, PACP Sewer Report was provided. No additional information was received from the City of Sacramento. PACP report indicates a 24-inch reinforced concrete pipe (RCP) not 24-inch corrugated metal pipe (CMP). (DWR UCIP - O. Magana)  
FIELD\_STRUCT\_DESC: 24-inch reinforced concrete drainage pipe through the levee, 9.3 feet below the crown. Concrete headwalls on both waterside (WS) and landside (LS) ends. Slide gate inside CM riser located on the WS slope. Flap gate is located on the WS end. (24-inch referenced in USACE O&M manual -- no permit found, the City of Sacramento is the owner; according to permit records for 12886 "old pipe removed. Concrete pipe in placed and backfilled part of it". Conflicting information makes it difficult to determine fate of 24-inch pipe (extent of work completed under permit); 30-inch pipe and removal of old pipe was authorized under Permit No. 12886, 1980 - City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19129, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118, Part No. 2, October 1959, Drawing No. 1-4-392 Exhibit B, (Station 70+09)].  
FS Date: 12/20/2013

Photo 3 of 3 : UCIP\_SP\_2019\_29302\_54284.jpg



View of waterward side--concrete vault and headwall.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	05/14/2019 05/15/2019	Luz Dial

LM Start	1.64	Rating **	M	Issue No.	18
LM End	1.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.627670 °	38.627670 °
				-121.440814 °	-121.440814 °
DWR ID	DWR_NA0001_07_f_2017_18				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0001\_58\_18\_20190307\_00017.jpg



View of the rodent hole that needs to be backfilled.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	05/14/2019 05/15/2019	Luz Dial

LM Start	1.72	Rating **	A/W	Issue No.	56	
LM End	1.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.628108 °	38.628108 °	
				-121.439471 °	-121.439471 °	
DWR ID	24373					
Comment Code						
Inspector Comment						
FS_ID:29324 DS_ID:24373 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck. (DWR UCIP - O. Magana) 06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP - O. Magana). FIELD_STRUCT_DESC: 24-inch reinforced concrete drainage pipe through the levee, 7.8 feet below the crown. Concrete headwall on each end. Slide gate inside a corrugated metal (CM) riser on the waterside (WS) slope. Flap gate at the outlet. (No permit has been identified authorizing this structure. Structure is owned by the City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19126, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118, Part No. 2, October 1959, Drawing No. 1-4-392 Exhibit B, (Station 77+12)]. FS Date: 12/20/2013						

Photo 1 of 3 : UCIP\_SP\_2019\_29324\_54305.jpg



View of landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	05/14/2019 05/15/2019	Luz Dial

LM Start	1.72	Rating **	A/W	Issue No.	56 (cont)	
LM End	1.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.628108 °	38.628108 °	
				-121.439471 °	-121.439471 °	
DWR ID	24373					
Comment Code						
Inspector Comment						
FS_ID:29324 DS_ID:24373 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck. (DWR UCIP - O. Magana) 06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP - O. Magana). FIELD_STRUCT_DESC: 24-inch reinforced concrete drainage pipe through the levee, 7.8 feet below the crown. Concrete headwall on each end. Slide gate inside a corrugated metal (CM) riser on the waterside (WS) slope. Flap gate at the outlet. (No permit has been identified authorizing this structure. Structure is owned by the City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19126, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118, Part No. 2, October 1959, Drawing No. 1-4-392 Exhibit B, (Station 77+12)]. FS Date: 12/20/2013						

Photo 2 of 3 : UCIP\_SP\_2019\_29324\_54307.jpg



Floodwall along waterward shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	05/14/2019 05/15/2019	Luz Dial

LM Start	1.72	Rating **	A/W	Issue No.	56 (cont)	
LM End	1.72	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.628108 °	38.628108 °	
				-121.439471 °	-121.439471 °	
DWR ID	24373					
Comment Code						
Inspector Comment						
FS_ID:29324 DS_ID:24373 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck. (DWR UCIP - O. Magana) 06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP - O. Magana). FIELD_STRUCT_DESC: 24-inch reinforced concrete drainage pipe through the levee, 7.8 feet below the crown. Concrete headwall on each end. Slide gate inside a corrugated metal (CM) riser on the waterside (WS) slope. Flap gate at the outlet. (No permit has been identified authorizing this structure. Structure is owned by the City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19126, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit 118, Part No. 2, October 1959, Drawing No. 1-4-392 Exhibit B, (Station 77+12)]. FS Date: 12/20/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_29324\_54306.jpg



Concrete headwall with debris screen located on waterward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	05/14/2019 05/15/2019	Luz Dial

LM Start	1.83	Rating **	A/W	Issue No.	57	
LM End	1.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.628381 °	38.628381 °	
				-121.437412 °	-121.437412 °	
DWR ID	24375					
Comment Code						
Inspector Comment						
FS_ID:29326 DS_ID:24375 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck. (DWR UCIP - O. Magana) 06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP - O. Magana). FIELD_STRUCT_DESC: 24-inch reinforced concrete drainage pipe through the levee, 8.6 feet below the crown. Slide gate inside a corrugated metal (CM) riser unit on the waterside (WS) slope. Flap gate at the outlet. Concrete headwall on each end. (No permit has been identified authorizing the original structure. Structure is owned by the City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19127, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit No. 118, Part No. 2, October 1959, Drawing No. 1-4-392, Exhibit B, (Station 84+62)]. FS Date: 12/20/2013						

Photo 1 of 3 : UCIP\_SP\_2019\_29326\_54319.jpg



Floodwall along waterward shoulder for almost entire Unit.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	05/14/2019 05/15/2019	Luz Dial

LM Start	1.83	Rating **	A/W	Issue No.	57 (cont)	
LM End	1.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.628381 °	38.628381 °	
				-121.437412 °	-121.437412 °	
DWR ID	24375					
Comment Code						
Inspector Comment						
FS_ID:29326 DS_ID:24375 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck. (DWR UCIP - O. Magana) 06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP - O. Magana). FIELD_STRUCT_DESC: 24-inch reinforced concrete drainage pipe through the levee, 8.6 feet below the crown. Slide gate inside a corrugated metal (CM) riser unit on the waterside (WS) slope. Flap gate at the outlet. Concrete headwall on each end. (No permit has been identified authorizing the original structure. Structure is owned by the City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19127, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit No. 118, Part No. 2, October 1959, Drawing No. 1-4-392, Exhibit B, (Station 84+62)]. FS Date: 12/20/2013						

Photo 2 of 3 : UCIP\_SP\_2019\_29326\_54318.jpg



View of waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	05/14/2019 05/15/2019	Luz Dial

LM Start	1.83	Rating **	A/W	Issue No.	57 (cont)	
LM End	1.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.628381 °	38.628381 °	
				-121.437412 °	-121.437412 °	
DWR ID	24375					
Comment Code						
Inspector Comment						
FS_ID:29326 DS_ID:24375 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/16/2017 DWR Deferred Maintenance Project (DMP), Vince Rodriguez, forwarded email received from Tim Kerr, General Manager of American River Flood Control District (ARFCD) with file "DWR Eligible Pipes Found in ARFCD" from ARFCD that shows the ownership and location of the pipes Tim Kerr investigated. Owner of this crossing is identified as the City of Sacramento, ARFCD Staff Notes indicate Arcade Ck. (DWR UCIP - O. Magana) 06/14/2017 This crossing is scheduled to be cut and replaced as part of Sacramento Area Flood Control (SAFCA) North Area Streams (NAS) Levee Improvement Project: City of Sacramento Utility Permit Modifications Along Arcade Creek Levees. Unable to confirm when pipe will be replaced. Need to coordinate with owner and DWR FPIIB Inspector to determine when project is expected to start. (DWR UCIP - O. Magana). FIELD_STRUCT_DESC: 24-inch reinforced concrete drainage pipe through the levee, 8.6 feet below the crown. Slide gate inside a corrugated metal (CM) riser unit on the waterside (WS) slope. Flap gate at the outlet. Concrete headwall on each end. (No permit has been identified authorizing the original structure. Structure is owned by the City of Sacramento. To remove and replace an existing 24-inch reinforced concrete pipe authorized by Permit No. 19127, 2017 - City of Sacramento, Department of Utilities). [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual Unit No. 118, Part No. 2, October 1959, Drawing No. 1-4-392, Exhibit B, (Station 84+62)]. FS Date: 12/20/2013						

Photo 3 of 3 : UCIP\_SP\_2019\_29326\_54320.jpg



Inside view of concrete riser located on waterward shoulder--debris found at the bottom of riser.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.93	05/14/2019 05/15/2019	Luz Dial

LM Start	1.84	Rating **	N	Issue No.	47
LM End	1.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.628408 °	38.628385 °
				-121.437338 °	-121.437320 °
DWR ID	DWR_NA0001_07_s _ 2019_47				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Remove two tree stumps on levee easement.					

No Photos

LM Start	1.84	Rating **	M	Issue No.	46
LM End	1.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.628385 °	38.628385 °
				-121.437320 °	-121.437320 °
DWR ID	DWR_NA0001_07_s _ 2019_46				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Backfill hole likely dug by homeless.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---



**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Magpie Creek Diversion	Left	1.44	05/08/2019 05/08/2019	Luz Dial

LM Start	0.29	Rating **	M	Issue No.	14
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.668196 °	38.668196 °
				-121.442171 °	-121.442171 °
DWR ID	DWR_NA0001_08_f_2018_14				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Repair slope damage from foot traffic and erosion around gate.					

Photo 1 of 1 : SP\_2019\_NA0001\_59\_14\_20190307\_00010.jpg



View of slope damage near gate on an oversized section of levee. Fall 2018

LM Start	0.30	Rating **	M	Issue No.	25
LM End	0.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.668182 °	38.668165 °
				-121.442012 °	-121.441840 °
DWR ID	DWR_NA0001_08_s_2019_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.49	Rating **	A/W	Issue No.	24
LM End	0.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.668123 °	38.668123 °
				-121.438660 °	-121.438660 °
DWR ID	DWR_NA0001_08_s_2019_24				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Monitor footpath on waterside slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Magpie Creek Diversion	Left	1.44	05/08/2019 05/08/2019	Luz Dial

LM Start	<b>1.04</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>1.28</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.665288 °	38.661912 °	
			-121.431692 °	-121.431693 °	
DWR ID	DWR_NA0001_08_s_2019_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>1.22</b>	Rating **	M	Issue No.	<b>23</b>
LM End	<b>1.25</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.662705 °	38.662242 °	
			-121.431662 °	-121.431642 °	
DWR ID	DWR_NA0001_08_s_2019_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>1.27</b>	Rating **	C	Issue No.	<b>11</b>
LM End	<b>1.27</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.661983 °	38.661983 °	
			-121.431701 °	-121.431701 °	
DWR ID	DWR_NA0001_08_f_2018_11				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Animal holes have been backfilled.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Magpie Creek Diversion	Left	1.44	05/08/2019 05/08/2019	Luz Dial

LM Start	1.29	Rating **	M	Issue No.	18
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.661710 °	38.660855 °
				-121.431632 °	-121.429803 °
DWR ID	DWR_NA0001_08_s_2019_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.32	Rating **	M	Issue No.	16
LM End	1.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.661515 °	38.660820 °
				-121.431243 °	-121.429460 °
DWR ID	DWR_NA0001_08_s_2019_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.39	Rating **	M	Issue No.	10
LM End	1.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.660990 °	38.660990 °
				-121.430113 °	-121.430113 °
DWR ID	DWR_NA0001_08_f_2018_10				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Magpie Creek Diversion	Left	1.44	05/08/2019 05/08/2019	Luz Dial

LM Start	1.43	Rating **	A/W	Issue No.	17
LM End	1.43	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.660820 °	38.660820 °
				-121.429445 °	-121.429445 °
DWR ID	DWR_NA0001_08_s_2019_17				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Monitor animal activity, and backfill animal hole near gate.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	04/30/2019 04/30/2019	Luz Dial

LM Start	0.01	Rating **	M	Issue No.	20
LM End	0.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.567953 °	38.567953 °
				-121.383343 °	-121.383343 °
DWR ID	DWR_NA0001_09_s _ 2019_20				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	0.08	Rating **	M	Issue No.	22
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.568067 °	38.568067 °
				-121.384573 °	-121.384573 °
DWR ID	DWR_NA0001_09_s _ 2019_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.45	Rating **	N	Issue No.	14
LM End	0.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.566298 °	38.566298 °
				-121.390680 °	-121.390680 °
DWR ID	DWR_NA0001_09_s _ 2012_14				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0001\_60\_14\_20190307\_00005.jpg



View of tree trunk at fence line.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	04/30/2019 04/30/2019	Luz Dial

LM Start	1.55	Rating **	M	Issue No.	25
LM End	1.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.561307 °	38.560945 °
				-121.409958 °	-121.411765 °
DWR ID	DWR_NA0001_09_s _ 2019_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.62	Rating **	M	Issue No.	26
LM End	1.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.561080 °	38.561080 °
				-121.411070 °	-121.411070 °
DWR ID	DWR_NA0001_09_s _ 2019_26				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.68	Rating **	M	Issue No.	29
LM End	1.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.560858 °	38.560832 °
				-121.412273 °	-121.412603 °
DWR ID	DWR_NA0001_09_s _ 2019_29				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	04/30/2019 04/30/2019	Luz Dial

LM Start	1.80	Rating **	M	Issue No.	30
LM End	1.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.560887 °	38.560890 °
				-121.414400 °	-121.414667 °
DWR ID	DWR_NA0001_09_s_2019_30				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.88	Rating **	M	Issue No.	28
LM End	1.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.561171 °	38.561171 °
				-121.415808 °	-121.415808 °
DWR ID	DWR_NA0001_09_s_2016_28				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0001\_60\_28\_20190307\_00010.jpg



View of the landside levee slope.

LM Start	1.88	Rating **	M	Issue No.	31
LM End	1.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.561212 °	38.561335 °
				-121.415925 °	-121.416423 °
DWR ID	DWR_NA0001_09_s_2019_31				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	04/30/2019 04/30/2019	Luz Dial

LM Start	2.12	Rating **	M	Issue No.	32
LM End	2.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.563378 °	38.564090 °
				-121.419288 °	-121.419812 °
DWR ID	DWR_NA0001_09_s_2019_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.17	Rating **	A/W	Issue No.	19
LM End	2.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.563904 °	38.563904 °
				-121.419690 °	-121.419690 °
DWR ID	DWR_NA0001_09_f_2018_19				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Monitor rodent activity and backfill hole.					

Photo 1 of 1 : SP\_2019\_NA0001\_60\_19\_20190501\_00046.jpg



View of rodent hole on levee slope. Spring 2019

LM Start	2.26	Rating **	M	Issue No.	33
LM End	2.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.565228 °	38.568177 °
				-121.420280 °	-121.420988 °
DWR ID	DWR_NA0001_09_s_2019_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	04/30/2019 04/30/2019	Luz Dial

LM Start	<b>2.28</b>	Rating **	M	Issue No.	<b>34</b>
LM End	<b>2.39</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.565420 °	38.567033 °	
			-121.420297 °	-121.420713 °	
DWR ID	DWR_NA0001_09_s _ 2019_34				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>2.58</b>	Rating **	M	Issue No.	<b>35</b>
LM End	<b>3.06</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.569770 °	38.576493 °	
			-121.421240 °	-121.419022 °	
DWR ID	DWR_NA0001_09_s _ 2019_35				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>2.64</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>2.93</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.570598 °	38.574655 °	
			-121.421037 °	-121.419663 °	
DWR ID	DWR_NA0001_09_s _ 2019_36				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	04/30/2019 04/30/2019	Luz Dial

LM Start	2.66	Rating **	C	Issue No.	27
LM End	2.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.570882 °	38.570882 °
				-121.420927 °	-121.420927 °
DWR ID	DWR_NA0001_09_s_2016_27				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
LMA backfilled the rodent holes last season. There is no evidence of activity.					

No Photos

LM Start	2.67	Rating **	A/W	Issue No.	18
LM End	2.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.571065 °	38.571065 °
				-121.420865 °	-121.420865 °
DWR ID	DWR_NA0001_09_f_2018_18				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	2.73	Rating **	A/W	Issue No.	9
LM End	2.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.571868 °	38.571868 °
				-121.420605 °	-121.420605 °
DWR ID	DWR_NA0001_09_s_2018_9				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Footpath appears to be stable at this time but should be monitored for further erosion.					

Photo 1 of 1 : SP\_2019\_NA0001\_60\_9\_20190307\_00004.jpg



View of the footpath on the levee slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.20	04/30/2019 04/30/2019	Luz Dial

LM Start	2.92	Rating **	M	Issue No.	8
LM End	2.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.574474 °	38.574474 °
				-121.419734 °	-121.419734 °
DWR ID	DWR_NA0001_09_f_2017_8				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0001\_60\_8\_20190307\_00003.jpg



View of the footpath on the levee slope.

LM Start	3.25	Rating **	M	Issue No.	37
LM End	3.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.579082 °	38.584120 °
				-121.418157 °	-121.420633 °
DWR ID	DWR_NA0001_09_s_2019_37				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.25	Rating **	M	Issue No.	38
LM End	4.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.579168 °	38.588993 °
				-121.418153 °	-121.428075 °
DWR ID	DWR_NA0001_09_s_2019_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	04/19/2019 04/19/2019	Luz Dial

LM Start	0.63	Rating **	A	Issue No.	20
LM End	0.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.592035 °	38.592035 °
				-121.334450 °	-121.334450 °
DWR ID	DWR_NA0001_10_s_2019_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well-maintained.					

Photo 1 of 1 : SP\_2019\_NA0001\_61\_20\_20190422\_00047.jpg



View looking upstream at well-maintained landside vegetation. Spring 2019

LM Start	0.63	Rating **	M	Issue No.	22
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.592035 °	38.590957 °
				-121.334450 °	-121.335537 °
DWR ID	DWR_NA0001_10_s_2019_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.00	Rating **	M	Issue No.	30
LM End	1.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.587313 °	38.586838 °
				-121.337320 °	-121.337653 °
DWR ID	DWR_NA0001_10_s_2019_30				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	04/19/2019 04/19/2019	Luz Dial

LM Start	1.29	Rating **	C	Issue No.	26
LM End	1.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.583713 °	38.583713 °
				-121.340287 °	-121.340287 °
DWR ID	DWR_NA0001_10_f_2018_26				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Two tree stumps on the levee easement need to be removed.					

No Photos

LM Start	1.44	Rating **	M	Issue No.	31
LM End	1.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.582250 °	38.582250 °
				-121.342230 °	-121.342230 °
DWR ID	DWR_NA0001_10_s_2019_31				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.45	Rating **	M	Issue No.	32
LM End	1.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.582172 °	38.582012 °
				-121.342440 °	-121.342812 °
DWR ID	DWR_NA0001_10_s_2019_32				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	04/19/2019 04/19/2019	Luz Dial

LM Start	1.51	Rating **	M	Issue No.	25
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.581745 °	38.581745 °
				-121.343357 °	-121.343357 °
DWR ID	DWR_NA0001_10_f_2018_25				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Vegetation partially obstructs access.					

Photo 1 of 1 : SP\_2019\_NA0001\_61\_25\_20190307\_00005.jpg



View of vegetation at landside toe. Fall 2018

LM Start	1.74	Rating **	M	Issue No.	33
LM End	1.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.580002 °	38.579927 °
				-121.346987 °	-121.347203 °
DWR ID	DWR_NA0001_10_s_2019_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.92	Rating **	M	Issue No.	34
LM End	1.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.578702 °	38.578323 °
				-121.349913 °	-121.350683 °
DWR ID	DWR_NA0001_10_s_2019_34				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	04/19/2019 04/19/2019	Luz Dial

LM Start	2.02	Rating **	M	Issue No.	35
LM End	2.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.577970 °	38.577252 °
				-121.351537 °	-121.352992 °
DWR ID	DWR_NA0001_10_s_2019_35				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.07	Rating **	M	Issue No.	36
LM End	2.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.577573 °	38.577573 °
				-121.352332 °	-121.352332 °
DWR ID	DWR_NA0001_10_s_2019_36				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_NA0001\_61\_36\_20190422\_00048.jpg



View of squirrel hole with activity along toe road. Spring 2019

LM Start	<b>2.07</b>	Rating **	M	Issue No.	<b>36 (cont)</b>
LM End	<b>2.07</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_NA0001\_61\_36\_20190422\_00050.jpg



View of animal holes on levee slope and toe road. Spring 2019

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	04/19/2019 04/19/2019	Luz Dial

LM Start	2.16	Rating **	M	Issue No.	37
LM End	2.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.576935 °	38.576858 °
				-121.353655 °	-121.353782 °
DWR ID	DWR_NA0001_10_s_2019_37				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.21	Rating **	M	Issue No.	38
LM End	2.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.576557 °	38.576557 °
				-121.354485 °	-121.354485 °
DWR ID	DWR_NA0001_10_s_2019_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.41	Rating **	A/W	Issue No.	7
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.575126 °	38.575126 °
				-121.357575 °	-121.357575 °
DWR ID	DWR_NA0001_10_f_2013_7				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0001\_61\_7\_20190307\_00002.jpg



View of the pathway on the landside levee slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	04/19/2019 04/19/2019	Luz Dial

LM Start	<b>2.45</b>	Rating **	M	Issue No.	<b>39</b>
LM End	<b>2.46</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.574820 °	38.574730 °	
			-121.358223 °	-121.358370 °	
DWR ID	DWR_NA0001_10_s_2019_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>2.70</b>	Rating **	M	Issue No.	<b>40</b>
LM End	<b>2.70</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.572980 °	38.572980 °	
			-121.362293 °	-121.362293 °	
DWR ID	DWR_NA0001_10_s_2019_40				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>2.77</b>	Rating **	M	Issue No.	<b>41</b>
LM End	<b>2.88</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.572452 °	38.571673 °	
			-121.363390 °	-121.365063 °	
DWR ID	DWR_NA0001_10_s_2019_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	04/19/2019 04/19/2019	Luz Dial

LM Start	2.95	Rating **	M	Issue No.	42
LM End	3.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.571133 °	38.569877 °
				-121.366253 °	-121.371083 °
DWR ID	DWR_NA0001_10_s_2019_42				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.21	Rating **	A/W	Issue No.	24
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.569973 °	38.569973 °
				-121.370817 °	-121.370817 °
DWR ID	DWR_NA0001_10_f_2018_24				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Monitor the footpath for possible further erosion.					

No Photos

LM Start	3.22	Rating **	A/W	Issue No.	2
LM End	3.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.569955 °	38.569955 °
				-121.370988 °	-121.370988 °
DWR ID	DWR_NA0001_10_f_2017_2				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Monitor the footpath for possible further erosion.					

Photo 1 of 1 : SP\_2019\_NA0001\_61\_2\_20190307\_00001.jpg



View of the footpath on the levee slope. Fall 2017

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	04/19/2019 04/19/2019	Luz Dial

LM Start	3.24	Rating **	A/W	Issue No.	23
LM End	3.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.569930 °	38.569930 °
				-121.371353 °	-121.371353 °
DWR ID	DWR_NA0001_10_f_2018_23				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Monitor the footpath for possible further erosion.					

No Photos

LM Start	3.25	Rating **	M	Issue No.	43
LM End	3.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.569880 °	38.569880 °
				-121.371508 °	-121.371508 °
DWR ID	DWR_NA0001_10_s_2019_43				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	3.28	Rating **	M	Issue No.	44
LM End	3.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.569822 °	38.569615 °
				-121.371987 °	-121.374282 °
DWR ID	DWR_NA0001_10_s_2019_44				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	04/19/2019 04/19/2019	Luz Dial

LM Start	3.47	Rating **	M	Issue No.	45
LM End	3.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.569527 °	38.569478 °
				-121.375530 °	-121.375825 °
DWR ID	DWR_NA0001_10_s_2019_45				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.48	Rating **	M	Issue No.	19
LM End	3.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.569494 °	38.569494 °
				-121.375684 °	-121.375684 °
DWR ID	DWR_NA0001_10_f_2018_19				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0001\_61\_19\_20190422\_00051.jpg



View of footpath on landside slope. Spring 2019

LM Start	3.49	Rating **	M	Issue No.	21
LM End	3.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.569484 °	38.569484 °
				-121.375841 °	-121.375841 °
DWR ID	DWR_NA0001_10_f_2015_21				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_NA0001\_61\_21\_20190422\_00052.jpg



View of footpath on landside slope. Spring 2019

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	04/19/2019 04/19/2019	Luz Dial

LM Start	3.49	Rating **	M	Issue No.	21 (cont)	
LM End	3.49	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.569484 °		38.569484 °
				-121.375841 °		-121.375841 °
DWR ID	DWR_NA0001_10_f_2015_21					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						

Photo 2 of 2 : SP\_2019\_NA0001\_61\_21\_20190307\_00004.jpg



View of the footpath on the landside levee slope.

LM Start	3.56	Rating **	M	Issue No.	46
LM End	3.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.569237 °	38.569237 °
				-121.377068 °	-121.377068 °
DWR ID	DWR_NA0001_10_s_2019_46				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.56	Rating **	N	Issue No.	29	
LM End	3.56	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.569242 °		38.569242 °
				-121.377169 °		-121.377169 °
DWR ID	DWR_NA0001_10_s_2017_29					
Comment Code						
T5 : Tree stumps.						
Inspector Comment						
Three tree stumps are within the levee easement.						

Photo 1 of 1 : SP\_2019\_NA0001\_61\_29\_20190307\_00009.jpg



View of the tree stumps within the levee easement.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	04/19/2019 04/19/2019	Luz Dial

LM Start	3.64	Rating **	M	Issue No.	47
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.568910 °	38.568910 °
				-121.378572 °	-121.378572 °
DWR ID	DWR_NA0001_10_s _ 2019_47				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.67	Rating **	M	Issue No.	48
LM End	3.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.568827 °	38.568827 °
				-121.379042 °	-121.379042 °
DWR ID	DWR_NA0001_10_s _ 2019_48				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.71	Rating **	M	Issue No.	49
LM End	3.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.568707 °	38.568627 °
				-121.379750 °	-121.379888 °
DWR ID	DWR_NA0001_10_s _ 2019_49				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.90	04/19/2019 04/19/2019	Luz Dial

LM Start	3.77	Rating **	N	Issue No.	28	
LM End	3.77	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.568375 °		38.568375 °
				-121.380889 °		-121.380889 °
DWR ID	DWR_NA0001_10_s_2017_28					
Comment Code						
T5 : Tree stumps.						
Inspector Comment						

Photo 1 of 1 : SP\_2019\_NA0001\_61\_28\_20190307\_00008.jpg



View of the tree stump at the levee toe. Spring 2017

LM Start	3.79	Rating **	M	Issue No.	50
LM End	3.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.568300 °	38.568237 °
				-121.381165 °	-121.381400 °
DWR ID	DWR_NA0001_10_s_2019_50				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 New Linda Creek	Left	0.73	05/08/2019 05/08/2019	Luz Dial

LM Start	<b>0.04</b>	Rating **	M	Issue No.	<b>9</b>
LM End	<b>0.45</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.662747 °	38.666413 °	
			-121.457198 °	-121.451480 °	
DWR ID	DWR_NA0001_11_s_2019_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

### American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 American River	Left	0.84	04/19/2019 04/19/2019	Luz Dial

LM Start	0.00	Rating **	M	Issue No.	7
LM End	0.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.570013 °	38.570463 °
				-121.353158 °	-121.353462 °
DWR ID	DWR_NA0001_12_s_2019_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.22	Rating **	A/W	Issue No.	8
LM End	0.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.572265 °	38.572265 °
				-121.351267 °	-121.351267 °
DWR ID	DWR_NA0001_12_s_2017_8				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0001\_438\_8\_20190307\_00004.jpg



View of the footpath on the levee slope.

LM Start	0.56	Rating **	A/W	Issue No.	4
LM End	0.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.575370 °	38.575370 °
				-121.346583 °	-121.346583 °
DWR ID	DWR_NA0001_12_f_2015_4				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0001\_438\_4\_20190307\_00003.jpg



View of the footpath on the landside levee slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019**

**American River Flood Control District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 American River	Left	0.84	04/19/2019 04/19/2019	Luz Dial

LM Start	0.73	Rating **	A/W	Issue No.	3
LM End	0.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.576663 °	38.576663 °
				-121.343805 °	-121.343805 °
DWR ID	DWR_NA0001_12_f_2015_3				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_NA0001\_438\_3\_20190307\_00002.jpg



View of the footpath on the landside levee slope.

LM Start	0.82	Rating **	M	Issue No.	12
LM End	0.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.577167 °	38.577167 °
				-121.342332 °	-121.342332 °
DWR ID	DWR_NA0001_12_s_2019_12				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---